WHAT IS CLAIMED IS:

- A method of configuring a data storage system, the method comprising using a high-level language description to configure the data storage system.
- The method of claim 1, wherein the high-level language specifies configuration goals.
- The method of claim 1, wherein the high-level language description includes a declarative language.
- The method of claim 1, wherein the high-level language includes generic configuration commands.
- The method of claim 1, wherein the high-level language description includes device/host-independent commands.
- The method of claim 1, further comprising the step of translating the high-level language description into device/host-specific commands.
- The method of claim 6, wherein the high-level language description is translated directly into the device/host-specific commands.
- 8. The method of cleim 6, wherein the high-level language description is translated into device/host-independent commands and the device/host-independent commands are translated into device/host-specific commands.

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- 9. The method of claim 8, wherein first software modules are accessed to translate the high-level language description into the independent commands; and wherein second software modules are accessed to translate the independent commands into the specific commands.
- The method of claim 6, further comprising performing rule checking on the high-level language description and the commands.
- The method of claim 6, wherein specific commands are generated only for device/host parameters that should be changed.
- 12. The method of claim 6, further comprising translating the high-level description into device-specific queries, and generating commands from responses to the queries.
- 13. A method for configuring a data storage device, the method comprising:

generating a high-level language description that specifies configuration goals for the data storage device; and

translating the high-level language description into device/hostindependent commands.

- 14. The method of claim 13, further comprising sending the device/host-independent commands to a host that can communicate with the data storage device.
- 15. The method of claim 13, further comprising translating the device/host-independent commands into device/host-specific commands.
- 16. The method of claim 15 further comprising executing the device/host-specific commands to configure the data storage device.

- The method of claim 15, wherein commands are generated only for those device/host parameters that will be changed.
- The method of claim 13, further comprising performing rule checking on the high-level language description and the commands.
- The method of claim 13, wherein the data storage device is a disk array.
- 20. Apparatus for configuring a data storage system, the apparatus comprising a processor for processing a high-level language description of the data storage system into configuration commands.
- 21. The apparatus of claim 20, wherein the processor also translates the high-level language description into commands
- 22. The apparatus of claim 21, wherein the processor translates the high-level language description directly into device/host-specific commands
- 23. The apparatus of claim 21, further comprising memory for storing first and second modules, each first module translating high-level language into independent commands, each second module translating independent commands into specific commands.
- 24. The apparatus of claim 21, wherein the processor also performs rule checking on the high-level language description and the commands.
- 25. The apparatus of claim 21, wherein the processor generates commands are generated only for device/host parameters that should be changed.

- 26. The apparatus of claim 21,wherein the processor also queries devices of the data storage system, and generates commands from responses to the queries.
- 27. An article for instructing a processor to configure a data storage system, the article comprising:

computer memory; and

data encoded in the computer memory, the data instructing the processor to process a high-level language description of the data storage system; and translate the high-level description into specific commands.